FORM MS-4221-97
REPLACES FORM MS-4221-103
FILE IN SECT. 2 OF SERVICE MANUAL

Illustrated Parts List

MODEL SERIES

60900 To 60907
61900 To 61907

TYPE NUMBERS

950000 to 950031

950500 to 950526

HOW TO FIND
THE CORRECT NUMBER OF THE PART YOU NEED

These instructions are to be followed when using a Parts List to determine the correct part for an engine.

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A. Refer to Engine Model, Type and Serial Number that is stamped on the blower housing or name plate of engine. Then use the Illustrated Parts List covering this Model Series.

B. Refer to Illustrated Parts section and compare the old part with illustration. The number on the illustration is the Reference Number. Assemblies include all parts shown in frames. All parts shown in assembly frames on which individual reference numbers are given can be purchased separately.

C. After the Reference Number has been identified, refer to the Numerical Parts List, where Master Part Numbers are listed. THE MASTER PART IS USED ON ALL TYPE NUMBERS EXCEPT THOSE TYPE NUMBERS UNDER "NOTE".

D. If a "Note" appears below the Master Part Number, this means that this part differs from the Master Part for certain types. If the Type Number is listed under "Note" order the part referred to.

E. If the Engine Type Number does not appear after any part number listed under "Note", use the Master Part Number.

F. For Type Numbers higher than those covered by this book, please refer to the factory if you are unable to identify the part by comparison.

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ORIGINAL
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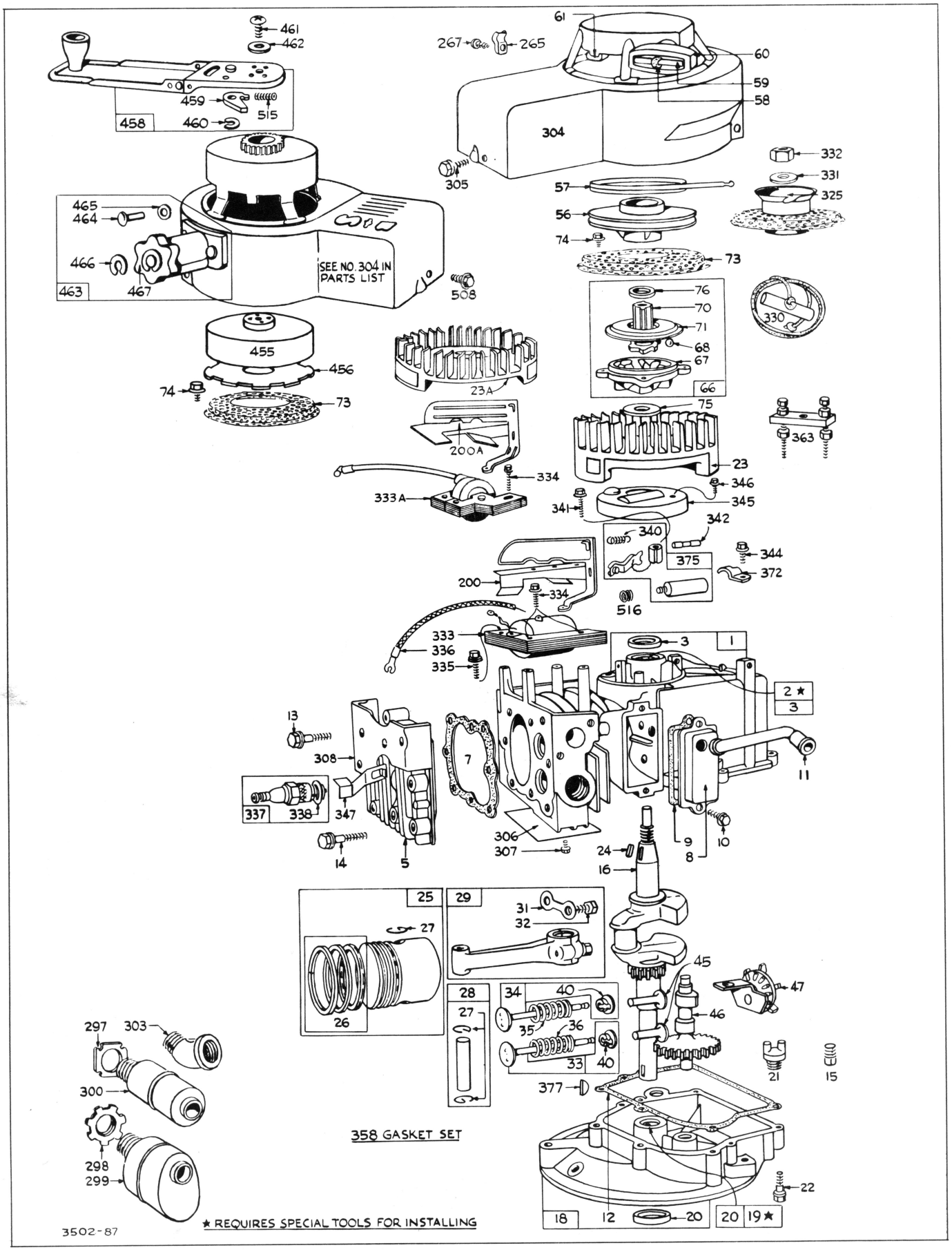
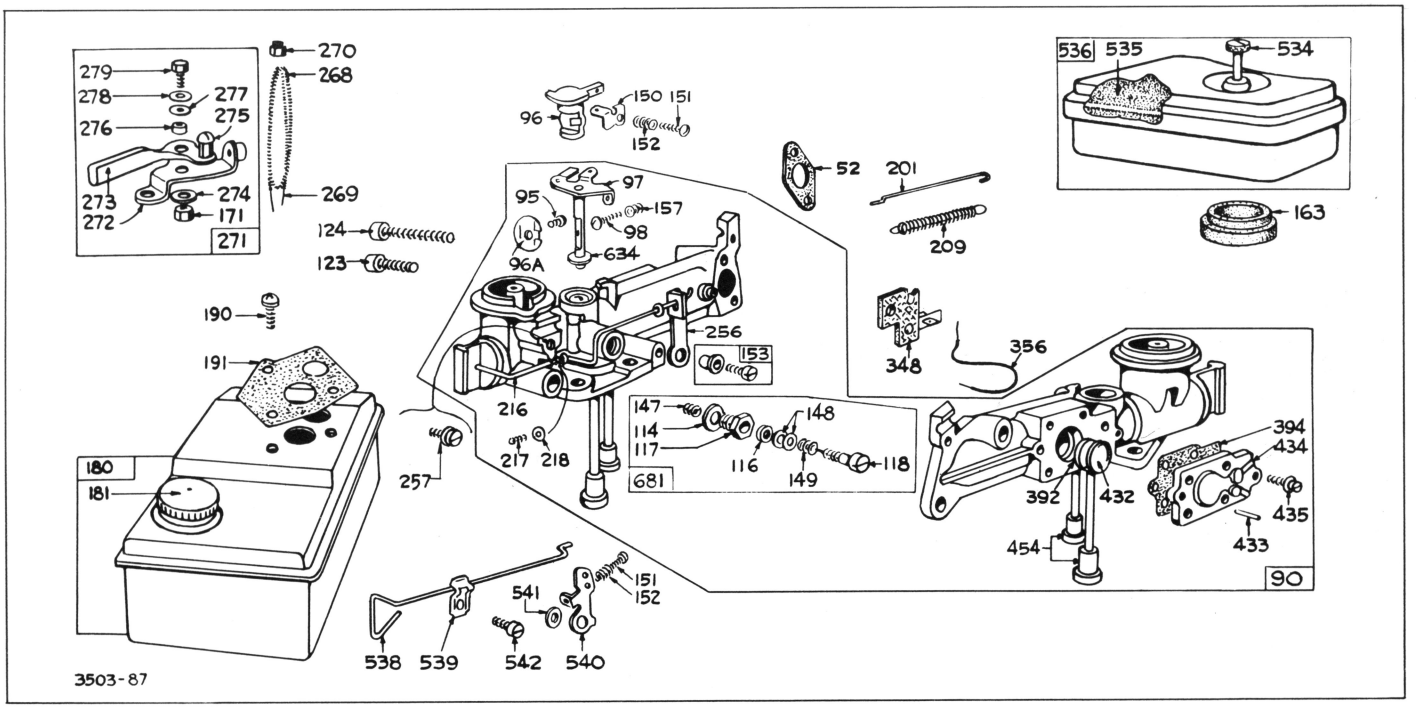
60900 To 60907
61900 To 61907



Assemblies include all parts shown in frames.



Assemblies include all parts shown in frames.

PARTS LIST

REF. NO.	PART NO.	DESCRIPTION
1	**295450**	Cylinder Assembly Used on Model 60900 Series Engines.
	296802	Cylinder Assembly Used on Model 61900 Series Engines.
2	**293708**	Bushing – Cylinder
	Note:	Requires special tools for installation.
3	**89660**	Seal – Oil
5	**211211**	Head – Cylinder
7	***27670**	Gasket – Cylinder Head
8	**296189**	Breather – Valve Chamber
9	***27549**	Gasket – Valve Cover
10	**93394**	Screw – Breather Mounting Sem
11	**67298**	Tube – Breather
12	***27586**	Gasket – Crankcase – .015" thick (Std.)
	***27617**	Gasket – Crankcase – .005" thick
	***27618**	Gasket – Crankcase – .009" thick
13	**93111**	Screw – Cylinder Head (1-15/16" long)
14	**93113**	Screw – Cylinder Head (2-5/16" long)
15	**91084**	Plug – Oil Drain
	Note:	**93418** Plug – Oil Drain (Hex. Socket Head) Used on type No. 950522.
16	**260274**	Crankshaft
	Note:	**26943** Crankshaft Used on type Nos. 950010, 950015, 950510, 950515.
		26978 Crankshaft Used on type No. 950029.
		260003 Crankshaft Used on type No. 950522.
		260005 Crankshaft Used on type Nos. 950025, 950026, 950027, 950028, 950524.
		260047 Crankshaft Used on type Nos. 950022, 950023, 950030.
18	**293512**	Sump – Oil
19	**293709**	Bushing – Oil Sump
	Note:	Requires special tools for installation.
20	**291841**	Seal – Oil
21	**66768**	Plug – Oil Filler
	Note:	**296768** Oil Minder Used on type No. 950030.
22	**93032**	Screw – Sump Mtg. Sem
23	**293205**	Flywheel – Magneto (Used before Serial No. 6212130)
	Note:	**295936** Flywheel – Magneto

Included in Gasket Set – Part No. 297275.

REF. NO.	PART NO.	DESCRIPTION
		(Used before Serial No. 6212130)
		Used on type Nos. 950029, 950522, 950525.
23A	297949	Flywheel – Magneto (Used after Serial No. 6212120)
	Note:	**296884** Flywheel – Magneto
		Used after Serial No. 6212120 on type Nos. 950029, 950522, 950525.
24	61760	Key – Flywheel
25	295587	Piston Assembly – Std.
		Used on Model 60900 Series.
	Note:	**295455** Piston Assy. – Standard
		Used on Model 61900 Series.
	295588	Piston Assembly – .010" O.S.
		Used on Model 60900 Series.
	Note:	**295456** Piston Assy. – .010" O.S.
		Used on Model 61900 Series.
	295589	Piston Assembly – .020" O.S.
		Used on Model 60900 Series
	Note:	**295457** Piston Assy. – .020" O.S.
		Used on Model 61900 Series
	295590	Piston Assembly – .030" O.S.
		Used on Model 60900 Series.
	Note:	**295458** Piston Assy. – .030" O.S.
		Used on Model 61900 Series.

MODEL 60900 SERIES RING SETS:

26	294232	Ring Set – Std. Piston consists of:
		210471 Ring, Piston, Comp., Top, Std.
		210472 Ring, Piston, Comp., Center, Std.
		210473 Ring, Piston, Oil, Std.
	294224	Ring Set – .010" O.S. Piston consists of:
		210490 Ring, Piston, Comp., Top, .010" O.S.
		210489 Ring, Piston, Comp., Ctr., .010" O.S.
		210491 Ring, Piston, Oil, .010" O.S.
	294225	Ring Set – .020" O.S. Piston, consists of:
		210493 Ring, Piston, Comp., Top, .020" O.S.
		210492 Ring, Piston, Comp., Ctr., .020" O.S.
		210494 Ring, Piston, Oil, .020" O.S.
	294226	Ring Set – .030" O.S. Piston, consists of:
		210496 Ring, Piston, Comp., Top, .030" O.S.
		210495 Ring, Piston, Comp., Ctr., .030" O.S.
		210497 Ring, Piston, Oil, .030" O.S.

MODEL 61900 SERIES RING SETS:

	295657	Ring Set – Std. Piston, consists of:
		210796 Ring, Piston, Comp., Top, Std.
		210797 Ring, Piston, Comp., Ctr., Std.
		295661 Ring, Oil (w/expander) Std.
	295658	Ring Set – .010" O.S. Piston, consists of:
		210799 Ring, Piston, Comp., Top, .010" O.S.
		210798 Ring, Piston, Comp., Ctr., .010" O.S.
		295662 Ring, Oil (w/expander) .010" O.S.
	295659	Ring Set – .020" O.S. Piston, consists of:
		210801 Ring, Piston, Comp., Top, .020" O.S.
		210800 Ring, Piston, Comp., Ctr., .020" O.S.
		295663 Ring, Oil (w/expander) .020" O.S.
	295660	Ring Set – .030" O.S. Piston, consists of:
		210803 Ring, Piston, Comp., Top, .030" O.S.
		210802 Ring, Piston, Comp., Ctr., .030" O.S.
		295664 Ring, Oil (w/expander) .030" O.S.
27	26026	Lock – Piston Pin
28	291925	Pin Assembly – Piston – Standard
	291926	Pin Assembly – Piston – .005" O.S.
29	293505	Rod Assembly – Conn.
31	220460	Lock – Conn. Rod Screw
32	92296	Screw – Connecting Rod
33	296676	Valve – Exhaust
34	296677	Valve – Intake
35	260552	Spring – Intake Valve
36	26478	Spring – Exhaust Valve
40	93312	Retainer – Valve Spring (Used with valves with groove in stem)
	Note:	**23184** Retainer – Valve Spring
		23187 Pin – Valve Spring Retainer
		Used with valves with hole in stem.
45	230173	Tappet – Valve
46	210453	Gear – Cam
47	294652	Oil Slinger Gear and Bracket
52	*27909	Gasket – Intake Elbow Mounting
56	294088	Pulley – Rewind Starter

Included in Gasket Set – Part No. 297275.

REF. NO.	PART NO.	DESCRIPTION
57	294303	Spring – Rewind Starter
58	66384	Rope – Rewind Starter – 47-1/8" long
59	230228	Pin – Starter Rope
60	66728	Grip – Starter Rope
61	66528	Bumper – Starter Pulley
66	296468	Clutch Assembly – Rewind and Wind-up Str.
67	210400	Housing – Starter Clutch
68	63770	Ball – Clutch
70	296597	Ratchet – Rewind and Wind-up Starter
71	221301	Washer – Clutch Retainer
72	26032	Spring – Clutch Retainer
73	220648	Screen – Starter Pulley
74	93042	Screw – Rotating Screen Mounting Sem
75	220865	Washer – Spring (Used to lock rewind and wind-up starter clutch)
90	296242	Carburetor Assembly (Choke-A-Matic)
	Note:	**296262** Carburetor Assy. (Manual Choke) Used on type Nos. 950010, 950011, 950013, 950028, 950029, 950510, 950511, 950513. **296278** Carburetor Assy. (Manual Choke) Used on type No. 950525. **296314** Carburetor Assy. (Choke-A-Matic) Used on type Nos. 950024, 950025, 950523, 950524.
95	93385	Screw – Throttle Valve Mounting Sem
96	210957	Throttle – Carburetor
96A	211237	Valve – Throttle
97	297961	Shaft and Lever – Thr.
98	93392	Screw – Machine, Rd. Hd. – 5-40 x 1/2"
114	66594	Gasket – Needle Valve Nut
116	65978	Packing – Needle Valve
117	230590	Nut – Needle Valve
118	23433	Valve – Needle
123	93353	Screw – Carburetor Mtg.
124	93360	Screw – Carburetor Mtg.
147	230591	Seat – Needle Valve
148	22235	Washer – Needle Valve (2)
149	26336	Spring – Needle Valve
150	220105	Connector – Gov. Link
151	92634	Screw – Machine, Rd. Hd. – 5-40 x 5/8"
	Note:	**93350** Screw – Machine, Rd. Hd. – 5-40 x 3/4" Used on type No. 950029.
152	260575	Spring – Throttle Adjustment
153	298031	Screw – Carburetor Cam and Lever
163	*27660	Gasket – Air Cl. Mtg.
171	92129	Nut – Hex. – 1/4-28
180	296167	Tank Assembly – Fuel **296312** Tank Assembly – Fuel Used on type Nos. 950024, 950025, 950523, 950524.
181	293270	Cap – Fuel Tank
190	93259	Screw – Fuel Tank Mtg.
191	*27911	Gasket – Fuel Tank Mtg.
200	294617	Blade – Governor (Used before Serial No. 6212130)
200A	297309	Blade – Governor (Used after Serial No. 6212120)
201	260457	Link – Governor
209	260471	Spring – Governor (Choke-A-Matic)
	Note:	**260468** Spring – Governor (Manual Choke) Used on type Nos. 950010, 950011, 950013, 950028, 950029, 950510, 950511, 950513, 950525. **260591** Spring – Governor Used on type No. 950522.
216	260449	Link – Choke
217	260189	Spring – Choke Link
218	221198	Washer – Choke Link (3)
256	220952	Lever – Speed Adjuster
	Note:	**220949** Lever – Speed Adjuster **220107** Cam – Speed Adjuster Used on type Nos. 950029, 950525.
257	93263	Screw – Sem
265	221407	Clamp – Casing
267	93351	Screw
268	66986	Casing – Control Wire – 48" long
	Note:	If longer casing is needed, specify length in inches; if a shorter casing is needed order No. 66986 and cut to required length.
269	26099	Wire – Control, 54" long
	Note:	If longer wire is needed, specify length in inches; if shorter casing is needed order No. 26099 and cut to required length.
270	63426	Locknut – Control Wire Casing
271	290568	Lever Assembly – Control
272	290584	Base – Control Lever
273	290642	Lever – Control
274	91237	Washer Lock – 1/4 x 3/32 x 5/64"
275	92287	Screw – Machine, Rd. Hd. – 10-32 x 1/4"
276	22834	Washer – Spacer
277	22368	Washer – Control Lever
278	22725	Washer – Control Lever
279	92306	Screw – Cap, Hex. Hd. – 1/4-28 x 5/8"
297	91811	Locknut – Exhaust Elbow
298	220859	Locknut – Muffler
299	294441	Muffler – Exhaust (Lo-Tone)
300	89966	Muffler – Exhaust
303	91810	Elbow – Exhaust, 90°, Street Used on type No. 950522.
304	294260	Housing – Blower (For Rewind Starter)
	Note:	**294263** Housing – Blower (For Rope Starter) Used on Model 60901, 61901 Series.

* Included in Gasket Set – Part No. 297275.

60900 To 60907
61900 To 61907

REF. NO.	PART NO.	DESCRIPTION
		296325 Housing – Blower (For Wind-Up Starter) Used on Model 60906, 61906 Series
305	**93158**	Screw – Blower Housing Mounting Sem
306	**220478**	Shield – Cylinder Screw – Cylinder Shield Mounting
307	**93042**	Sem
308	**220581**	Cover – Cylinder Head
325	**293959**	Starter Pulley with Screen
330	**29878**	Rope – Starter
331	**62577**	Washer – Flywheel
332	**91708**	Nut – Flywheel
333	**291617**	Armature – Magneto (Used before Serial No. 6212130)
333A	**298502**	Armature – Magneto (Used after Serial No. 6212120)
334	**93381**	Screw – Armature Mounting Sem
335	**93381**	Screw – Armature Mounting Sem
336	**292149**	Cable – Ignition
337	**29693**	Plug – Spark (with gskt.)
338	**29806**	Gasket – Spark Plug
340	**26018**	Spring – Breaker Arm
341	**93381**	Screw – Contact Finger Post Mounting Sem
342	**65704**	Plunger – Breaker Point
344	**93042**	Screw – Condenser Clamp Mounting Sem
345	**220366**	Cover – Breaker Point and Condenser
346	**93014**	Screw – Dust Cover Mounting Sem
347	**220884**	Switch – Stop
348	**296110**	Plate Assembly – Stop Switch Insulator
356	**296185**	Wire – Ground
358	**297275**	Gasket Set
363	**19069**	Puller – Flywheel (Optional Accessory)
372	**220477**	Clamp – Condenser
375	**294628**	Breaker Points and Condenser Set
	Note:	**299061** Ignition Kit Includes:
		294628 Point Set
		65704 Plunger
		61760 Key – Flywheel
377	**93065**	Key – Woodruff No. 505
392	**260455**	Spring – Fuel Pump Diaphragm
394	**27910**	Diaphragm
432	**221377**	Cap – Spring
433	**93265**	Pin – Diaphragm Cover
434	**210959**	Cover – Diaphragm
435	**93141**	Screw – Diaphragm Cover
454	**296178**	Housing – Fuel Pipe Screen (For 3/16" O.D. Pipe)
	296191	Housing – Fuel Pipe Screen (For 1/8" O.D. Pipe)
455	**296455**	Cup, Hub and Spring Assembly
456	**221222**	Plate – Retainer
458	**296251**	Handle Assembly – Cranking
459	**221332**	Pawl – Ratchet (Single Acting)
460	**93272**	Retainer – Ratchet Pawl
461	**93298**	Screw – Handle Mounting
462	**221237**	Washer – Handle Mtg.
463	**296445**	Holder Assembly – Flywheel
464	**93276**	Rivet – Holder Assembly Mounting (2)
465	**221226**	Washer – Holder Assembly Mounting (2)
466	**93272**	Retainer – Holder Control Knob
467	**211017**	Knob – Control
508	**93294**	Screw – Blower Housing Mounting Sem
515	**260537**	Spring – Ratchet Pawl
516	**260374**	Spring – Connector (Condenser Post)
534	**93322**	Screw – Air Cleaner
535	**27987**	Element – Air Cleaner
536	**296766**	Cleaner Assembly – Air
538	**260560**	Rod – Speed Control
539	**221372**	Clip – Speed Control
540	**221380**	Lever – Speed Adjuster
541	**22398**	Washer – Speed Adjuster to Carburetor
542	**91494**	Screw – Speed Adjuster
634	**270167**	Washer – Throttle Shaft (Felt)
681	**299060**	Needle Valve Kit

Included in Gasket Set – Part No. 297275.

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